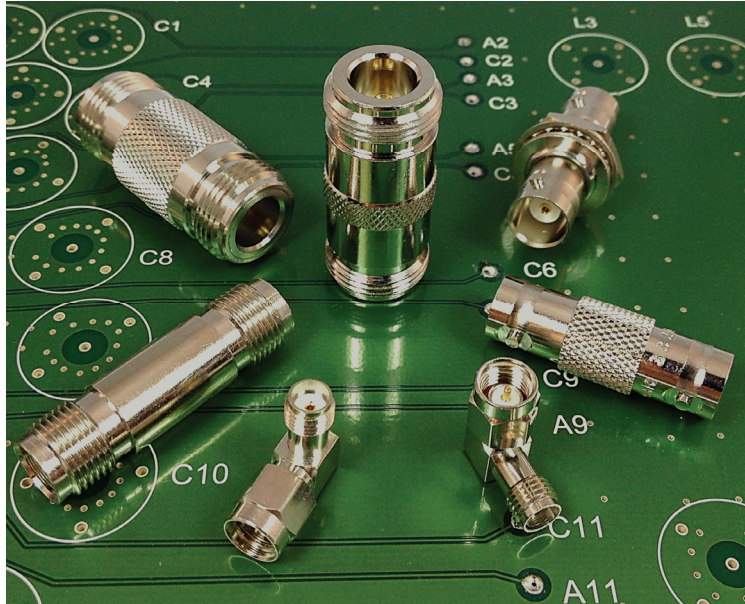




# In-Series RF Adapters

50 Ohm Type N, TNC, BNC, SMA



## Product Description

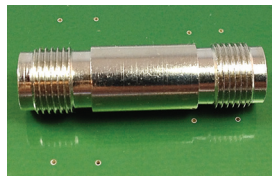
Winchester's Bomar brand of 50 Ohm In-Series RF Adapters are available in all popular RF Connector interfaces including Type N, TNC, BNC, and SMA.

In-Series RF Adapters can be used as "connector savers" to prevent wear-and-tear on equipment connectors, to join together two cable connectors of the same gender, or to be installed in break-out panels in a cabling installation.

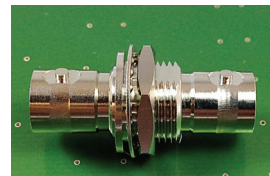
In-Series Adapters are available in Inline, Bulkhead, Isolated Bulkhead, Right-Angle, and 3-port "T" configurations. In-Series Adapters are also available in 75 Ohm, and customer designs are available upon request.



Type N  
In-Series Adapters



TNC  
In-Series Adapters



BNC  
In-Series Adapters



SMA  
In-Series Adapters

## Specifications

### Electrical

Impedance: 50Ω Ohms  
Frequency Range: 50Ω DC – 1 GHz  
Working Voltage: 500 VRMS at Sea Level  
Dielectric  
Withstanding Voltage: 1500 VRMS at Sea Level  
VSWR: Consult Series Specifications  
Contact Resistance: Center Contact: ≤ 3 Milliohms  
Insulation Resistance: 5000 Megohms Min  
Insertion Loss: 0.2 dB Max

### Material

Bodies: Nickel / Gold (see table)  
Female Contact: Beryllium Copper  
Gold Plated  
Insulator: PTFE

### Mechanical

Mating Cycles: 500 Min  
Center Contact: Captivated

### Environmental

Temperature Range: - 40° C to +165° C

## Part Numbers

| Interface | Bomar Part Number | In-Series Adapter Description           | Impedance | Body Material    | Drawing Number |
|-----------|-------------------|-----------------------------------------|-----------|------------------|----------------|
| BNC       | 343A505           | "T" Adapter, Jack-Plug-Jack             | 50        | Nickel / Gold    | SD343A505      |
| BNC       | 332A505           | Jack to Jack, Inline                    | 50        | Nickel / Gold    | SD332A505      |
| BNC       | 330A505           | Plug to Plug, Inline                    | 50        | Nickel / Gold    | SD330A505      |
| BNC       | 335A544           | Jack to Jack, Bulkhead                  | 50        | Nickel / Gold    | SD335A544      |
| BNC       | 335R544           | Jack to Jack, Bulkhead, Isolated Ground | 50        | Nickel / Gold    | SD335R544      |
| SMA       | 930A524           | Plug to Plug, Inline                    | 50        | Gold / Gold      | SD930A524      |
| SMA       | 932A524           | Jack to Jack, Inline                    | 50        | Gold / Gold      | SD932A524      |
| SMA       | 935A505           | Jack to Jack, Bulkhead                  | 50        | Gold / Gold      | SD935A505      |
| SMA       | 951A505           | Plug to Jack, Right-Angle               | 50        | Gold / Gold      | SD951A505      |
| TNC       | 532A505           | Jack to Jack, Inline                    | 50        | Nickel / Gold    | SD532A505      |
| TNC       | 535A544           | Jack to Jack, Bulkhead                  | 50        | Nickel / Gold    | SD535A544      |
| TNC       | 535R544           | Jack to Jack, Bulkhead, Isolated        | 50        | Nickel / Gold    | SD535R544      |
| TNC       | 543A505           | "T" Adapter, Jack-Plug-Jack             | 50        | Nickel / Gold    | SD543A505      |
| TNC       | 545A505           | "T" Adapter, Jack-Jack-Jack             | 50        | Nickel / Gold    | SD545A505      |
| TNC       | 551A505           | Plug to Jack, Right-Angle               | 50        | Nickel / Gold    | SD551A505      |
| Type N    | 132A505           | Jack to Jack, Inline                    | 50        | Nickel / Gold    | SD132A505      |
| Type N    | 143A505           | "T" Adapter, Jack-Plug-Jack             | 50        | Nickel / Gold    | SD143A505      |
| Type N    | 145A505           | "T" Adapter, Jack-Jack-Jack             | 50        | Nickel / Gold    | SD145A505      |
| Type N    | 151A505           | Plug to Jack, Right Angle               | 50        | Nickel / Gold    | SD151A505      |
| Type N    | 130A5011          | Plug to Plug, Inline                    | 50        | Tri Metal / Gold | SD130A5011     |
| Type N    | 132A5011          | Jack to Jack, Inline                    | 50        | Tri Metal / Gold | SD132A5011     |



Winchester Electronics  
199 Park Road Extension, Suite 104  
Middlebury, Connecticut 06762  
203.741.5400 Phone  
203.741.5500 Fax  
www.winchesterelectronics.com